

TRAJKOVIC, LJUBICA D.

Serbie. Guide touristique. Traduction du serbe par Bogoljub Janjic
Beograd Editeur La Presse Touristique 1956. 372, 257 p. Serbia;
a tourist guide. In French. illus., fold. col. map, bibl.

CU Not in DLC

SOURCE: East European Accessions List (EEAL), Library of Congress,
Vol. 5, No. 12, December 1956.

TRAJKOVIC, Petar

A typical case of chronic lymphocytic leukemia. Srpski arh. celok.
lek. 89 no.5:619-622 My '61.

1. Interna klinika & Medicinskog fakulteta Univerziteta u Beogradu.
Upravnik: prof. dr Branislav Stanojevic.

(LEUKEMIA LYMPHOCYTIC case reports)

STEFANOVIC, Stanoje; TRAJKOVIC, Petar; TOMIC, Petar

Possibilities of oral therapy of pernicious anemia. Srpski
arh. celok. lek. 90 no.4:393-399 Ap '62.

1. Interna klinika A Medicinskog fakulteta Univerziteta u
Beogradu Upravnik: prof. dr. Branislav Stanojevic.
(ANEMIA PERNICIOUS) (INTRINSIC FACTOR)

S

STEFANOVIC, Stanoje; TRAJKOVIC, Petar

Liver function tests. Srpski arh. celok. lek. '92 no. 9: 277-286
S'64.

1. Interna klinika A Medicinskog fakulteta Univerziteta u
Beogradu (Upravnik: prof. dr. Branislav Stanejevic).

YUGOSLAVIA

SAVIN, Stevan; RISTIC, Milosav and TRAJKOVIC, Petar; Internal Medicine Clinic A, Medical Faculty of University (Interna klinika A Medicinskog fakulteta Univerziteta), Head (Upravnik) Prof Dr Gjorgie BRKIC, Belgrade.

"Practical Importance of Determining Urinary Sodium."

Belgrade, Srpski Arkhiv za Tselokupno Lekarstvo, Vol 93, No 4, Apr 1965;
pp 391-396.

Abstract [German summary modified]: Data on natriuria in 5 persons after 5 days of salt free diet; milliequivalents of sodium showing positive balance in hepatic cirrhosis, negative sodium balance in nephropathies, normal balance in the healthy person. The importance of monitoring daily sodium losses is stressed. This is important both for diagnostic and therapeutic guidance purposes. 5 graphs, 3 Western references; manuscript received 1 May 64.

1/1

JANKOV, Jelka; TRAJKOVIC, Stela

Tuberculosis control in the zone of the 3d Pediatric Clinic in
Belgrade. Tuberkuloza, Beogr. 12 no.4:497-508 '60.

1. III Decji dispanzer No opstine Savski Venac, Beograd (upravnik
dr J.Jankov)
(TUBERCULOSIS prev & control)

TRAJKOVIC, V.; NESKOVIC, B.; VISNJIC-FRAJND, M.

Leukemogenic action of the low-voltage X rays administered
in small doses to mice. Bul sc Youg 7 no.1/2:11 F-Ap '62.

1. Onkoloski institut Medicinskog fakulteta, Beograd.

*

TRAJKOVIC, Vera

The role of royal jelly in carcinogenesis. Srpski arh. celok. lek.
89 no.3:335-352 Mr '61.

1. Onkoloski institut Medicinskog fakulteta Univerziteta u Beogradu.
Upravnik: prof. dr Marija Vishjic-Frajndl.

(BEEES) (CARCINOGENS)

LANG, Karoly; MALCSINER, Jozsef; NEMETH, Janos; VERTES, Sandor;
ARANYI; KOVACS, Vilmos; TRAJKOVICS, Jozsef; NEMETH, Gyorgy;
RACZ, Otto; PFISZTER, Janos

Plastic pattern production in the Csepel Iron and Steel
Foundries. Koh lap 97 no. 2; Suppl.: Ontoda 15 no. 2:39-45
F '64.

1. Csepel Iron and Steel Foundries, Budapest (for Lang, Malcsiner
and Racz). 2. Ganz-Mavag (for Janos Nemeth, Vertes and Aranyi).

41963
S/194/62/000/009/083/100
D413/D308

6/11/0

AUTHOR: Trajtel, Jozo

TITLE: A transistorized noise-suppression circuit designed for a wide range of temperatures

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioclektronika, no. 9, 1962, abstract 9-7-138 kh (Czech pat., cl. 21 a⁴, 22/02; 21 a², 18/08, no. 98475, Feb. 15, 1961)

TEXT: The patent covers a circuit for the suppression of noise in the LF part of a receiver caused by the occurrence of considerable temperature drops during use. The circuit uses two transistors, one of which is connected as a transformer-coupled noise amplifier. One end of the output transformer secondary winding is connected through a diode to the base of the second transistor, which acts as a switch, while the other end is connected to the tap of a voltage divider; the collector-emitter circuit of the second transistor is connected in series with the first transistor. [Abstract's note: Complete translation.]

Card 1/1

TRAIKOVA, Mariia, arkh.

Building of the Thermoelectric-Power Plant "Vratsa" is under way. Tekh dolo no.433:1 7 Jl '62.

TRUBIN, B.G., prof.; LUR'YE, A.B.; GRIGOR'YEV, S.M.; IVANOVICH, E.M.; MEL'NIKOV, S.V.; ANTIPIN, V.G., kand. tekhn. nauk, retsenzent; VOLKOV, B.G., kand. tekhn. nauk, retsenzent; MULLAYANOV, R.G., kand. tekhn.nauk, retsenzent; OVSYUKOV, V.N., kand. tekhn. nauk, retsenzent; BELYAYEV, A.S., st. nauchnyy sotr., retsenzent; KOZLOVSKIY, Ye.V., inzh., retsenzent; TRAK, E.E., inzh., retsenzent; SIMONOVSKIY, N.Z., red.izd-va; SPERANSKAYA, O.V., tekhn. red.

[Agricultural machines; theory, design, and calculations]
Sel'skokhoziaistvennye mashiny; teoriia, konstruktsiia i raschet.
Pod red. B.G.Turbina. Moskva, Mashgiz, 1963. 575 p.

(MIRA 16:5)

1. Nauchno-issledovatel'skiy institut mekhanizatsii i elektrofikatsii sel'skogo khozyaystva Severo-Zapada (for Antipin, Volkov, Mullayanov, Ovsyukov, Belyayev, Kozlovskiy, Trak).

(Agricultural machinery--Design and construction)

GNEZDOV, Sergey Vasil'yevich; EKK, Fedor Nikolayevich; TRAK,
Eduard Eduardovich; DMITRIYEV, N.N., red.; ONOSHO,
N.G., tekhn. red.

[Mechanization of grain cleaning and drying] Mekhaniza-
tsiya ochistki i sushki zerna. Leningrad, Lenizdat,
1962. 43 p.
(MIRA 17:3)

TRAKAL, Boris

Production of blade prototypes in the Aeronautic Research
and Test Institute. Zpravodaj VZLU no. 3:157-159 '63.

S/271/63/000/002/016/030
A060/A126

AUTHORS: Dubský, Bořivoj, Straka, Oldřich, Rajhel, František, Trakal,
Vladimir

TITLE: Position servomechanism with magnetostrictive sensor

PERIODICAL: Referativnyy zhurnal, Avtomatika, Telemekhanika i Vychislitel'naya
Tekhnika, no. 2, 1963, 77, abstract 2A473 P (Czech. pat. ol. 21 c,
46/50; 21c, 57/50, no. 96935, October 15, 1960)

TEXT: Patented is a servomechanism with a magnetostrictive pickup which may be used in the construction of high-speed counters, digital instruments and other automatic devices. Rigidly fixed to the frame of the mechanism is an immovable guide-rail, along which the fixed part of the carriage with the indicator moves on wheels. The carriage is connected to the movable part by a spiral spring; the wheel of the latter is attached at the bottom to the movable slide of the (measuring) instrument. The latter is fixed at one end to the free end of a magnetostrictive torsion pickup located on the frame of the mechanism. The device operates in such a way that the action of the force being measured (which

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8/271/63/000/002/016/030

A060/A126

Position servomechanism with magnetostriuctive sensor

causes a torque on the axis of the pickup equal to the product of that force and the length of the movable slide) is automatically balanced by the torque. The latter is equal to the product of the force of the fastening of the movable part of the carriage to the movable slide and its distance from the pickup axis. The movable slide may have a shape appropriate to the curve of the process being regulated.

B. Kh.

[Abstracter's note: Complete translation]

Card 2/2

TRAKALO, V. I.

"Fundamentals of the Integral Theory of the Pressure of a Free-Flowing Material." Cand Tech Sci, Kiev Construction Engineering Inst, Min Higher Education USSR, Kiev, 1954. (KL, No 1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

GUROV, S.; ALEKSANDROV, A.; TRAKCHUK, R. (Minsk); KHLYSTOV, I.;
YUN'YEV, I.; ALEKSANDROV, S.; GIBUTSKAYA, A.; KURBANOV, G. (Baku)

Letters to the editors. Sov.profsoiuzy 16 no.10:50-54
'60. (MIRA 13:6)

1. Zamestitel' predsedatelya zavkaza Dneprosvetzhinskogo metallurgicheskogo zavoda imeni Dzerzhinskogo (for Gurov).
2. Deystvitel'nyy chlen Vsesoyuznogo geograficheskogo obshchestva pri AN SSSR (for Yun'yev). 3. Tekhnicheskiy inspektor Estonskogo soveta profsoyuzov, Tallinn (for Girutskaya).

(Efficiency, Industrial) (labor and laboring classes)

TRAKHANOV, A. T.

306

Opr. Fabrty Karagandinskikh Uchol'nykh Ker'erev. N., Politekhnizat, 1974.
63a, S III, 20 SK, 1.000 ERZ, 1r.- (54-74/77) 2,
622.223:622.271(54.4.)

SO: Knizhnaya, Letopis, Vol. 1, 1955

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756420017-8

TRAKHANOV, D.F.

Rat extermination on stock farms. Veterinariia 37 no.9:81-83
S '60. (MIRA 14:11)
(Rats--Extermination)

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756420017-8"

IORDANISHVILI, Ye.K.; TRAKHEROT, B.M.

Thermoelectric properties of Bi_2Te_3 - Bi_2Se_3 in the temperature range 77-630°K. Fiz. tver. tela 4 no.1:122-131 Ja '62.

(MIRA 15:2)

1. Institut poluprovodnikov AN SSSR, Leningrad.

(Bismuth telluride--Electric properties)

(Bismuth selenide--Electric properties)

POPOV, I. N., MURAV'EV, V. A. UDZHEN, L. I.

Air

Determination of olfactory threshold concentration of sulfur dioxide. I. N. Popov,
N. F. Cherkasov, O. I. Trukhman. Gip, Izd. No. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, September 1953, Unclassified.

2

БОЧКОВ, И. В., ЧУРКИНОВ, Ю. В., ТИХОНОВ, А. А.

Sulfur Dioxide

Determination of olfactory threshold concentration of sulfur dioxide. Гиг. и сан. No. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, September 1958. Unclassified.

2

YEGOROV, I.N., dotsent; SIROSH, P.M.; NAUMOV, A.V.; RASKIN, M.M.; NIKIFOROV, N.I., kand.veterin.nauk; TRAKHANOV, D.F., kand.veterin.nauk; PETUKHOVSKIY, A.A.; ENDZIN, A.K.

Sanitation and veterinary hygiene. Veterinariia 41 no.3:73-82 Mr '64.
(MIRA 18:1)

1. Krasnoyarskiy sel'skokhozyaystvennyy institut (for Yegorov). 2. Glavnyy veterinarnyy vrach Chernovitskogo oblastnogo upravleniya proizvodstva i zagotovok sel'skokhozyaystvennykh produktov (for Sirosh).
3. Zaveduyushchiy khimicheskim otdelom Chernovitskoy oblastnoy veterinarnoy laboratoriyy (for Raskin). 4. Direktor Chernovitskoy oblastnoy veterinarnoy laboratoriyy (for Naumov). 5. Vsesoyuznyy nauchno-issledovatel'skiy institut veterinarnoy sanitarii (for Nikiforov, Trakhanov).
6. Dezinfektsionnaya stantsiya Moskovskogo gorodskogo otdela zdravookhraneniya (for Petukhovskiy). 7. Vsesoyuznyy nauchno-issledovatel'skiy institut veterinarnoy sanitarii (for Endzin).

TRAKHANOV, D. F. (Reviewer)

"Deratization on animal husbandry farms. According to material submitted to the Editor's Office."

Veterinariya, Vol. 37, No. 9, p. 81, 1960.

TRAKHANOV, G.A., tekhnik; BALAKHNIN, S.A., tekhnik

Improved operation of sliver traps. Energetik 12 no.5:19-20
My '64.
(MIRA 17:6)

33351
5/18/62/004/001/020/052
B108/B104

9.4/74 (1043,1482)

26. 253✓

AUTHORS:

Iordanishvili, Ye. K., and Trakhbrot, B. M.

TITLE:

Thermoelectrical properties of $\text{Bi}_2\text{Te}_3\text{-}\text{Bi}_2\text{Se}_3$ between 77 and 630°K

PERIODICAL: Fizika tverdogo tela, v. 4, no. 1, 1962, 122 - 131

TEXT: The temperature dependences of the thermo-e.m.f., electrical conductivity, and efficiency of $\text{Bi}_2\text{Te}_3\text{-}\text{Bi}_2\text{Se}_3$ solid solutions were studied. The polycrystalline specimens were composed of 80% Bi_2Te_3 and 20% Bi_2Se_3 . The efficiency can be written $Z = V_\alpha / V_\beta T$, where $V_\alpha = \alpha \Delta T$ - total e.m.f., V_β - ohmic voltage drop. It was therefore necessary only to separate the total voltage drop into V_α and V_β . Knowing the temperature at both ends of the specimen, T_1 and T_2 , one can easily find the required parameters: $\alpha = V_\alpha / (T_1 - T_2)$; $\delta' = I/I/V_\beta S$; $\kappa = \alpha^2 \delta'/Z$. For the efficiency z , however,

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S/10/62/004/001/020/052
B108/B104

Thermoelectrical properties...

a correction accounting for the heat exchange with the surroundings has to be introduced so that $z_1 = z_0 \left(1 + \frac{q_1}{2\pi k} (al/6 + s')\right)$. z_0 is the measured efficiency, a is the specimen perimeter, l and s length and surface area, s' outer surface area of the palladium plates between which the specimen is fastened. k is the thermal conductivity. $q = (\alpha^* + 4T^3\sigma\varepsilon)$, where α^* is the thermal diffusivity, α is the Stefan-Boltzmann constant, ε is the blackness factor to infrared radiation of the body. Comparison of the experimental results with theory showed that the carrier free path l in the case of scattering is proportional to $\sqrt{\varepsilon}$. The efficiency has a maximum of about $2 \cdot 10^{-3}$ per deg in the range $300 - 320^\circ K$. This maximum will be lower and shifted toward higher temperatures as the carrier concentration increases. Owing to the narrow forbidden band, carriers of the second sign arise at temperatures above $450 - 500^\circ K$ causing z to change chiefly owing to bipolar diffusion. The authors thank L. S. Stil'bons, as well as S. S. Sinani and G. N. Gordynkova (ZhTF, 26, 2398, 1956) for their interest and help. Ansel'm and V. I. Klyachkin (ZhETF, 27, 297, 1952) are mentioned X

Card 2/5

33351

S/181/62/C04/CC /C20, C05.

B108/B104

Thermoelectrical properties...

There are 9 figures and 10 references: 8 Soviet and 2 non-Soviet. The references to the English-language publications read as follows: 1. G. Austin. Proc. Phys. Soc., 72, 545, 1958; T. Harman. Appl. Phys., 30, 351, 1959.

ASSOCIATION: Institut poluprovodnikov AN SSSR Leningrad (Institute of Semiconductors AS USSR, Leningrad)

SUBMITTED: July 13, 1961

Card 3/3

X

S/112/59/000/016/042/054
A052/A002

Translation from: Referativnyy zhurnal, Elektrotehnika, 1959, No. 16, p. 229,
35217

AUTHOR: Trakhimenko, Ya. K.

TITLE: Frequency Relations of Equivalent Conductivities of a Junction
Transistor

PERIODICAL: Tr. Sektsii radiosvyazi, radioveshch. i televid. Ukr. resp. pravl.
Nauchno-tekh. o-va radiotekhn. i elektronika, 1957, No. 1,
pp. 70-73

TEXT: Bibliographic entry

✓

Card 1/1

S/133/61/000/006/007/01/
A054/A129

AUTHORS: Gnuchev, S. M., Candidate of Technical Sciences, Trakhimovich, V. I.,
Tregubenko, A. F., Frantsov, V. P., Bobkov, T. M.. Engineers

TITLE: Melting steel in arc-furnace with electromagnetic stirring of the
bath

PERIODICAL: 'Stal', no. 6, 1961, 519-522

TEXT: Electromagnetic stirring was first applied in the USSR, in 1956, to a DCB-18 (DSV-18) type furnace (diameter of the working area: 3,070 mm, depth of the bath: 605 mm, transformer capacity: 8,000 kw); further equipment for stirring was installed in 1959. Tests were carried out to determine the effect of electromagnetic stirring on the oxygen and sulfur content during the reduction period and to examine the efficiency of this process. The metal was stirred in such a way, (Fig. 1a) that after rising from the lower layers at the outlet opening it spread over the bath surface while two rotation centers were forming at the bridge. In the present series of tests the maximum rate of metal movement was 0.25 - 0.40 m/sec at the rear furnace banks and 0.14 - 0.20 m/sec at the frontal furnace banks, with a frequency of 0.95 - 1.0 cps. During the

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A054/A129

Melting steel in arc-furnace ...

tests the electromagnetic stirring went on for the entire period of refining. Based on the results obtained for the electromagnetic stirring of low-carbon structural steels, (12XH3A = 12KhN3A, 15XM = 15KhM) it was found that this process compared with the conventional method accelerated deoxidation considerably, viz. by 30 - 40 minutes. When deoxidizing took place for the usual period, electromagnetic stirring resulted in a more thorough deoxidation (0.003 - 0.005% oxygen content before tapping instead of 0.005 - 0.007% when applying the conventional method). Increased deoxidation by electromagnetic stirring was also recorded for stainless low-carbon steels (0.0035 - 0.0070% oxygen instead of 0.007 - 0.013% in the old process). The distribution coefficient of sulfur during reduction when applying the electromagnetic stirring method was higher, whereas the sulfur-content in the metal was lower than in the usual castings. No increase in hydrogen and nitrogen content was observed, nor did the furnace bottom display any increased wear and tear when electromagnetic stirring was applied. It was possible to accelerate the skimming of slag by 5-10 minutes, which increased the furnace capacity by 10%; moreover, manual labor could be entirely eliminated from this process. The temperature of the metal reached an average value more quickly and could be controlled more easily than in the usual manner. The bath also had a more uniform chemical composition. All these factors

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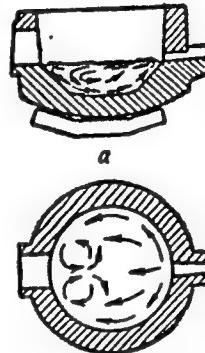
Card 2/3

S/133/61/000/C66/007/017
A054/A129

Melting steel in arc-furnace ...

improved the quality of the metal considerably. It was found that the waste decreased in electromagnetically stirred molten metals. This could be established for 18XIIIBA (18KhNVA), 12XII3A (12KhN3A), 40XII4MA (40KhNMA) steels. The waste in ball bearing steel decreased also, as a result of the drop in globular inclusions, whereas the oxide and sulfide impurities occur in about the same amounts in both processes. The drawbacks of the electromagnetic stirring equipment are: 1) the air-cooling of the stators is insufficient and does not prevent their overheating; 2) on account of the slow motion of the metal at the bath surface it is not possible to mechanize the stirring of slag. For this purpose it would be necessary to raise the current intensity in the stator above the nominal value and to intensify cooling suddenly; 3) in the present construction the bath must first be removed when repairs are necessary, when the stator has to be mounted or dismantled. There are 3 figures, 4 tables and 2 Soviet-bloc references.

Fig. 1a: Scheme of the metal-circulation in the bath applied in the tests



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"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756420017-8

MYTSIK, P.A., inzh.; SEMEN, V.M., kand. tekhn. nauk; STEPANENKO, V.T.,
inzh.; MIKOL'SKAYA, N.N., inzh.; TIKHONOV, G.A., inzh.; RUMYANTSEV,
V.A., inzh.; TRAKHIMOVICH, V.I.; GIVIASHV, S.M.

Now developments in research. Stal' 25 no.8:855 S '65. (MIRA 18:2)

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756420017-8"

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756420017-8

TRAKHIMOVICH, V.I., inzh.; BARVINSKIY, B.V.; GOLOMAZOV, N.A.

Electromagnetic stirring in 80-ton furnaces. Stal' 22 no.11:1007-
1009 N '62. (MIRA 15:11)
(Steel--Electrometallurgy)

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756420017-8"

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756420017-8

TRAKHIMOVITCH, V.I.; SALAUTIN, V.A.; GNUCHEV, S.M.

Methods for determining the technological plasticity of a metal
in hot deformation. Zav. lab. 30 no.9:1116-1119 '64.
(MIRA 18:3)

1. Tsentral'nyy nauchno issledovatel'skiy institut chernoy
metallurgii imeni Bardina.

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756420017-8"

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756420017-8

GNUCHEV, S.M., kand.tekhn.nauk; TRAKHIMOVICH, V.I., inzh.; TREGUBENKO, A.F.,
inzh.; FRANTSOV, V.P., inzh.; BOBKOV, T.M., inzh.

Making steel in electric arc furnaces with electromagnetic
mixing of the bath. Stal' 21 no.6:519-522 Je '61. (MIRA 14:5)
(Steel—Electrometallurgy)
(Electromagnets)

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756420017-8"

TRAKHIMOVICH, V.I., inzh.; CHISTYAKOV, S.L., inzh.; MOKHIR, Ye.D., inzh.;
FILATOV, S.K., inzh.; YAKOBSON, V.Z., inzh.

Improving the technology of the production of OKh23N18 and
Kh23N18 steels. Stal' 25 no.12:1092-1094 D '65.
(MIRA 18:12)

1. TSentral'nyy nauchno-issledovatel'skiy institut chernoy
metallurgii imeni I.P. Bardina i Zlatoustovskiy metallurgicheskiy
zavod.

BOKIY, B.V.; TEPLITSKIY, G.A., redaktor; TRAKHMAN, A.I., redaktor;
SLEISHKOVSKAIA, Ye.L., redaktor; SHPAK, Ye.G., tekhnicheskiy redaktor.

[Mining industry] Gernes dele. Moskva, Ugletekhizdat, 1953. 743 p.
(Mining engineering) (MLRA 7:7)

DIDOVSKIY, D.Z.; TRAKHMAN, A.I.; NYBAKOV, I.P.; KOGNOVITSKIY, I.I., re-
daktor; NADEJNSKAYA, A.A., tekhnicheskiy redaktor

[Work practice of the Karaganda opencut coal mines] Opyt raboty
Karagandinskikh ugol'nykh kar'erov. Moskva, Ugletekhizdat, 1954.
66 p.

(Karaganda--Coal mines and mining)

STAKHEVICH, Ye.B., gornyy inzhener; TRAKHMAN, A.I., gornyy inzhener.

Performance of ESh-10/75 excavators in open pit mines of the
"Vakhrushevugol" trust. Mekh.trud.rab.8 no.1:14-16 Ja-Y '54.

(MLRA 7:2)

(Excavating machinery) (Coal mines and mining)

TRAKHMAN, A.I., gornyy inzhener; STAKHEVICH, Ye.B., gornyy inzhener.

Ways of increasing labor productivity and lowering the production cost
of coal in open-pit mines. Ugol' 29 no.6:22-25 Je '54. (MLRA 7:6)
(Coal mines and mining)

DIDKOVSKIY, Dmitriy Zakharovich, inzhener; NIKONOV, German Pavlovich,
inzhener; STAKHEVICH, Yekaterina Borisovna, inzhener; SOKOLOVSKIY,
Mikhail Mironovich, inzhener; TRAKHMAN, Aleksandr Ivanovich, inzhe-
ner; MAZAROV, P.P., otvetstvennyy redaktor; OKHRIMENKO, V.A., redak-
tor izdatel'stva; ALADOVA, Ye.I., tekhnicheskiy redaktor

[A manual for coal mine foremen] Spravochnik gornogo mastera ugol'-
nykh kar'erov. Izd. 2-e, ispr. i perer. Moskva, Ugletekhnizdat, 1956.
(MIRA 9:11)

372 p.

(Coal mines and mining.)

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756420017-8

TRAKHMAN, A.I., inzhener; STAKHEVICH, Ye.B., inzhener.

Resources for reducing time-consuming operations in coal
mines. Mekh. trud. rab. 10 no.8:16-19 Ag '56. (MLRA 9:10)

(Coal mining machinery)

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756420017-8"

TRAKHMAN, A. I.

ALATORTSEV, S.A., prof., doktor tekhn.nauk; ANDREYEV, A.V., kand.tekhn.
nauk; ANCHAROV, I.L., inzh.; BALINSKIY, S.I., inzh.; BELOUSOV,
V.G., inzh.; VINITSKIY, K.Ye., kand.tekhn.nauk; VLASOV, V.M.,
inzh.; VORONTSOV, N.P., kand.tekhn.nauk; GIPSMAN, M.E., inzh.;
GLUZMAN, I.S., kand.tekhn.nauk; GUR'YEV, S.V., kand.tekhn.nauk
[deceased]; DEMIN, A.M., kand.tekhn.nauk; YEGOROV, O.P., kand.
tekhn.nauk; YEFIMOV, I.P., inzh.; ZHUKOV, L.I., kand.tekhn.
nauk; ZEL'TSER, N.M., inzh.; KOSACHEV, M.N., kand.tekhn.nauk;
KOTOV, A.F., inzh.; KUDINOV, G.P., inzh.; LAPOVENKO, N.A., kand.
tekhn.nauk; MAZUROK, S.F., inzh.; MEL'NIKOV, N.V.; MUDRIK, N.G.,
inzh.; NIKONOV, G.P., kand.tekhn.nauk; ORLOV, Ye.I., inzh.;
POTAPOV, M.G., kand.tekhn.nauk; PRISEDSKIY, G.V., inzh.;
RZHENVSKIY, V.V., prof., doktor tekhn.nauk; RYAKHIN, V.A., kand.
tekhn.nauk; SIMKIN, B.A., kand.tekhn.nauk; SITNIKOV, I.Ye., inzh.;
SOROKIN, V.I., inzh.; STASTUN, V.N., kand.tekhn.nauk; STAEHEVICH,
Ye.B., inzh.; SUSHCHENKO, A.A., inzh.; TYUTIN, I.F., inzh.;
TYMOVSKIY, L.G., inzh.; FISENKO, G.L., kand.tekhn.nauk; FURMANOV,
B.M., inzh.; SHATAYEV, H.G., inzh.; SHESHKO, Ye.F., prof., doktor
tekhn.nauk; TERPIGOREV, A.M., glavnnyy red. [deceased];

(Continued on next card)

ALATORTSEV, S.A.---(continued) Card 2.
KIT, I.K., zamestitel' glavnogo red.; SHESIKO, Ye.P., zamestitel'
otv.red.; BUGOSLIVSKIY, Yu.K., red.; BYKHOVSKAYA, S.N., red.;
DIONIS'YEV, A.I., kand.tekhn.nauk, red.; KOZIN, Yu.V., red.;
SOKOLOVSKIY, M.M., red.; YASTREBOV, A.I., red.; DEMIDYUK, G.P.,
kand.tekhn.nauk, red.; KRIVSKIY, M.N., kand.tekhn.nauk, red.;
LYUBIMOV, B.N., inzh., red.; MOLOKANOV, P.L., inzh., red.; REISH,
A.K., inzh., red.; RODIONOV, L.Ye., kand.tekhn.nauk, red.; SLA-
VUTSKIY, S.O., inzh., red.; TRAKHMAN, A.I., inzh., red.; TRYMOV-
SKIY, L.G., inzh., red.; FIDELEV, A.S., doktor tekhn.nauk, red.;
SHUKHOV, A.N., kand.tekhn.nauk, red.; TER-IZRAEL'YAN, T.G., red.
izd-va; PROZOROVSKAYA, V.L., tekhn.red.; KONDRAT'YEVA, M.A.,
tekhn.red.

(Continued on next card)

ALATORTSEV, S.A.---(continued) Card 3.

[Mining; an encyclopedic dictionary] Gornoe delo; entsiklopedicheskii spravochnik. Glav.red.A.M.Terpigorev. Chleny glaz. red.A.I.Baranov i dr. Moskva, Gos.nauchno-tehn.izd-vo lit-ry po gornomu delu. Vol.10. [Mining coal deposits by the open-cut method] Razrabotka uglev'nykh minterozhdenii otkrytym sposobom. Redkollegija toma; N.V.Mel'nikov i dr. 1960. 625 p.

(MIRA 13:2)

1. Chlen-korrespondent AN SSSR (for Mel'nikov).
(Coal mines and mining) (Strip mining)

CHAMBERS, JAMES; COOPER, GENE; COOPER, JOHN;
KRAMER, ROBERT; KREMER, ROBERT; LEE, RICHARD;
MURKIN, ALICE; NELSON, DONALD; O'LEARY, PATRICK;
PARKER, ROBERT; REED, ROBERT; SPARROW, ROBERT;
WHITE, ROBERT; WILSON, ROBERT; ZIMMERMAN, ROBERT.

TRAKHMAN, M.

The best of the best. Sov.soto 22 no.1:8 Ja '62. (MIRA 15:1)

1. Fotokorrespondent "Literaturnoy gazety".
(Communist Party of the Soviet Union--Congresses)

TRAKHMAN, Mikh.

Report on Siberia. Sov.foto. 20 no.2:6-10 F '60.
(MIRA 13:7)

1. Fotokorrespondent "Literaturnoy gazety".
(Siberia—Description and travel)
(Photography, Journalistic)

TRAKHTENBERG, B. F.

Relation of magnetic properties of steel to the temperature at
the end of the rolling process. Izv.vys.ucheb.zav.; chern.met.
no.3:37-43 '60. (MIRA 13:4)

1. Kuybyshevskiy industrial'nyy institut.
(Steel--Magnetic properties) (Rolling(Metalwork))

Trakhman, B.N.

TRAKHMAN, B.N.; ZLATOPOL'SKAYA, T.L.

Manufacturing reinforced concrete products using assembly-line
methods. Bet. i zhel.-bet. no. 12:477-480 D '57. (MIRA 11:1)
(Moscow--Concrete plants)

TRAKHMAN, Boris Naumovich; RAZINKOV, P., red.; LIL'YE, A., tekhn.red.

[Assembly line production of precast reinforced concrete]
Potochnoe proizvodstvo sbornogo zhelezobetona. [Moskva] Mosk.
(MIRA 10:12)
rabochii, 1957. 60 p.

1. Direktor zavoda No.4 Glavmoszhelezobetona (for Trakhman).
(Precast concrete)

TRAKHMAN, B.; SHKVARKIN, A.

Double the planned capacity. Sov. profsoiuzy 7 no.7:33-34 Ap '59.
(MIRA 12:7)

1. Direktor zavoda No.4 zhelezobetonnykh izdeliy Glavmospromstroy-materialov (for Trakhman). 2. Predsedatel' zavkoma profsoyuza (for Shkvarkin).

(Moscow—Reinforced concrete)
(Industrial efficiency)

TRAKHTMAN, N.N., kand.med.nauk

"Microbiological processes in water purification" by L.B.Dolivo-Dobrovolskii. Gig.i san. 24 no.8:87-88 Ag '59.
(MIRA 12:11)
(WATER--PURIFICATION) (DOLIVO-DOBROVOL'SKII, L.B.)

INITIATED (L)

POPOV, I. N; CHERKASOV, Ye. F; TRAKHMAN, O. L.

Determination of olfactory threshold concentration of sulfur dioxide. Gig. sanit., Moskva no. 5:16-20 May 1952. (CLML 22:3)

1. Of the Department of General Hygiene, First Moscow Order of Lenin Medical Institute.

TRAKHMAN, Ye.L.; KUDRINA, T.A.

X-ray therapy in boils of the external auditory tract. Vest.oto-rin.
18 no.6;33-35 N-D '56. (MIRL 10:2)

1. Iz Pervoy polikliniki Ministerstva zdravookhraneniya SSSR.
(EAR, EXTERNAL, dis.
furuncolosis of external auditory tract, radiother.)
(FURUNCULOSIS, ther.
external auditory tract, radiother.)
(RADIOTHERAPY, in various dis.
furunculosis of external auditory tract)

THAKMAN, Yu.G.; CHERIKOVSKAYA, T.Ya.; PAPERINA, T.E.

Preparations from Sterculia platanifolia, a new stimulant.
Sov.med. 23 no.6:107-110 Je '59. (MIRA 12:9)

1. Iz TSentral'nogo aptechnogo nauchno-issledovatel'skogo
instituta (dir.Ye.N.Kuturova) Ministerstva zdravookhraneniya
RSFSR i psichonevrologicheskogo otdeleniya (zav. - prof.S.I.
Subbotnik) bol'nitay Kalininskoy zheleznoy dorogi.
(PLANTS, MEDICINAL extracts)
(HEART pharmacol.)

TRAKHMENBERG, A.

Agricultural Engineering

Glass pipes for the farm water system. Sots zhiv 14 No. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, June 1953, 2 Uncl.

TRAKHMENBERG, A.

Water Pipes

Glass pipes for the farm water system. Sots. zhiv. 14 no. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, June 1952 Uncl.

TRAKHO, P.

[Northern Caucasus as the health resort of the U.S.S.R.] Severnyi Kavkaz
kak zdravničca SSSR. Miunkhen, 1955. 69 p. [With summaries in English,
German and French].
(MLRA 10:5)
(Caucasus, Northern--Health resorts, watering places, etc.)

TRAKHO,R.

[North Caucasus as the health resort center of the U.S.S.R.]
Severnyi Kavkaz kak zdravnitsa SSSR. Miunkhen, 1955. 69 p.
(Institut zur Erforschung der UdSSR. Issledovaniia i materialy,
ser. 1, no.24) (MLRA 8:12)
(Caucasus, Northern--Health resorts, watering places, etc.)

KOSYAKOV, Kirill Sergeyevich, doktor med.nauk; TRAKHMAN, Yn.N., red.;
BUL'DYAYEV, N.A., tekhn.red.

[Why it is harmful to smoke] Pochemu vredno kurit'. Moskva,
Gos.izd-vo med.lit-ry, 1957. 30 p. (MIRA 11:1)
(SMOKING)

PHASE I BOOK EXPLOITATION SOV/3883

Gintzburg, A.K., V.A. Loktin, S.L. Reznikovskiy, B.G. Rozovskiy,
M.A. Sulyutin, and A.A. Trakhov

Remont radiostantsiy (Repair of Radio Stations) Moscow, Voyen. Izd-vo
M-va obor. RSFSR, 1959. 327 p. No. of copies printed not given.

Ed.: P.S. Kiriyanenko; Tech. Ed.: Ye.K. Konovalova.

PURPOSE: This textbook is intended for students of communication schools of the Soviet Defense Ministry, and may also be used by Defense Ministry personnel working in army communication repair shops, and by other radio specialists.

COVERAGE: The book deals with radio repair. Detailed information is given on materials and components, testing and repair of components, assembly and disassembly of radio equipment, measurements during testing and repair of radio stations, various methods of radio repair, and repair of power supply sources, transmitters, and receivers. M.A. Sulyutin wrote Ch. I; A.K. Gintzburg wrote Ch. II;

Card 1/2

GINTSBURG, A.K.; LOKTIN, V.A.; REZNIKOVSKIY, S.L.; ROZOVSKIY, B.G.;
SULYUTIN, M.A.; TRAKHOV, A.A.; KIRIYEMKO, P.S., red.; KOMO-
VALOVA, Ye.K., tekhn.red.

[Maintenance service for radio stations] Remont radiostantsii.
Moskva, Voen.izd-vo M-va obor.SSSR, 1959. 327 p. (MIRA 13:3)
(Radio--Transmitters and transmission)

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756420017-8

FLI, R.L.; VITASCOVA, I.N.; TIKHONOV, Ye.A.

Catalytic reaction of simple esters with carboxylic acids. Zhur. obz. fiz.
27 no.6:1460-1465 Je '57. (ZVIA 1C:2)
(Ether) (Acids, Fatty)

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756420017-8"

TRAKHTENBERG, A.(Moskva)

Cold plastic welding. Prem. keep. no. 3:18-19 Mr '56. (MIRA 9:7)

1.Glavnyy inzhener arteli "Krasnyy shtampovshchik".
(Welding)

TRAKHTENBERG, A.D.; FAYNSHTEYN, S.M.

Exposure of dislocations in germanium and silicon by means of
etching. Fiz. tver. tela 1 no.3:373-377 Mr '59.

(Germanium crystals) (Silicon crystals)
(Dislocations in crystals) (MIRA 12:5)

ACC NR: AP7007204

SOURCE CODE: UR/0186/66/008/006/0617/0621

AUTHOR: Sotnikov, V. S.; Belanovskiy, A. S.; Trakhtenberg, A. D.

ORG: none

TITLE: On the adsorption of metal ions from H₂O, H₂O₂ and KOH on the surface of electron-hole germanium and silicon junctions

SOURCE: Radiokhimiya, v. 8, no. 6, 1966, 617-621

TOPIC TAGS: adsorption, hydrogen peroxide, potassium hydroxide, pn junction

ABSTRACT: The adsorption of Cu, Ag, Au and In ions from H₂O, H₂O₂ and KOH on parts making up a germanium p-n-p junction (TM-5) and silicon p-n-p (P104-106) and n-p-n (P 101-103) junctions was studied. It is shown that a considerable contamination of the solutions with elements constituting the junction takes place during etching (the amount of impurities in the solutions increases by 2 to 3 orders of magnitude). Thus, adsorption on the junctions is very important, since in contrast to germanium and silicon crystals, etching of the junctions occurs in a solution with a high impurity content. Cu and In impurities, adsorbed by the surface of junctions of types P101-103 and TM-5, cause a considerable increase of I_{co} (zero collector current). The various distributions of the adsorbed impurities on different parts of junctions of various types were studied by means of autoradiographic photographs. Orig. art. has: 3 tables.

20/

SUB CODE: 07/ SURM DATE: 21Jun65/ ORIG REF: 004/ OTH REF: 003
Card 1/1 UDC: 541.183:546.3

NOVIKOV, A.N.; MARMORSHTEYN, S.Ya.; TRAKHTENBERG, A.Kh.

Angiopneumography as a supplementary diagnostic method in lung cancer.
Vop. onk. 5 no.4:449-456 '59. (MIRA 12:12)

1. Iz Gosudarstvennogo onkologicheskogo instituta im. P.A. Gertsena
(dir. - prof. A.N. Novikov, nauchnyy rukovoditel' - zasluzhennyy de-
yatel' nauki chlen-korrespondent AMN SSSR prof. A.I. Savitskiy).
Adres avtorov: Moskva, D-284, II Botkinskiy pr., d.3, Gosudarstvennyy
onkologicheskiy institut im. Gertsena.

(LUNG NEOPLASMS, diagnosis,
angiopneumography (Rus))

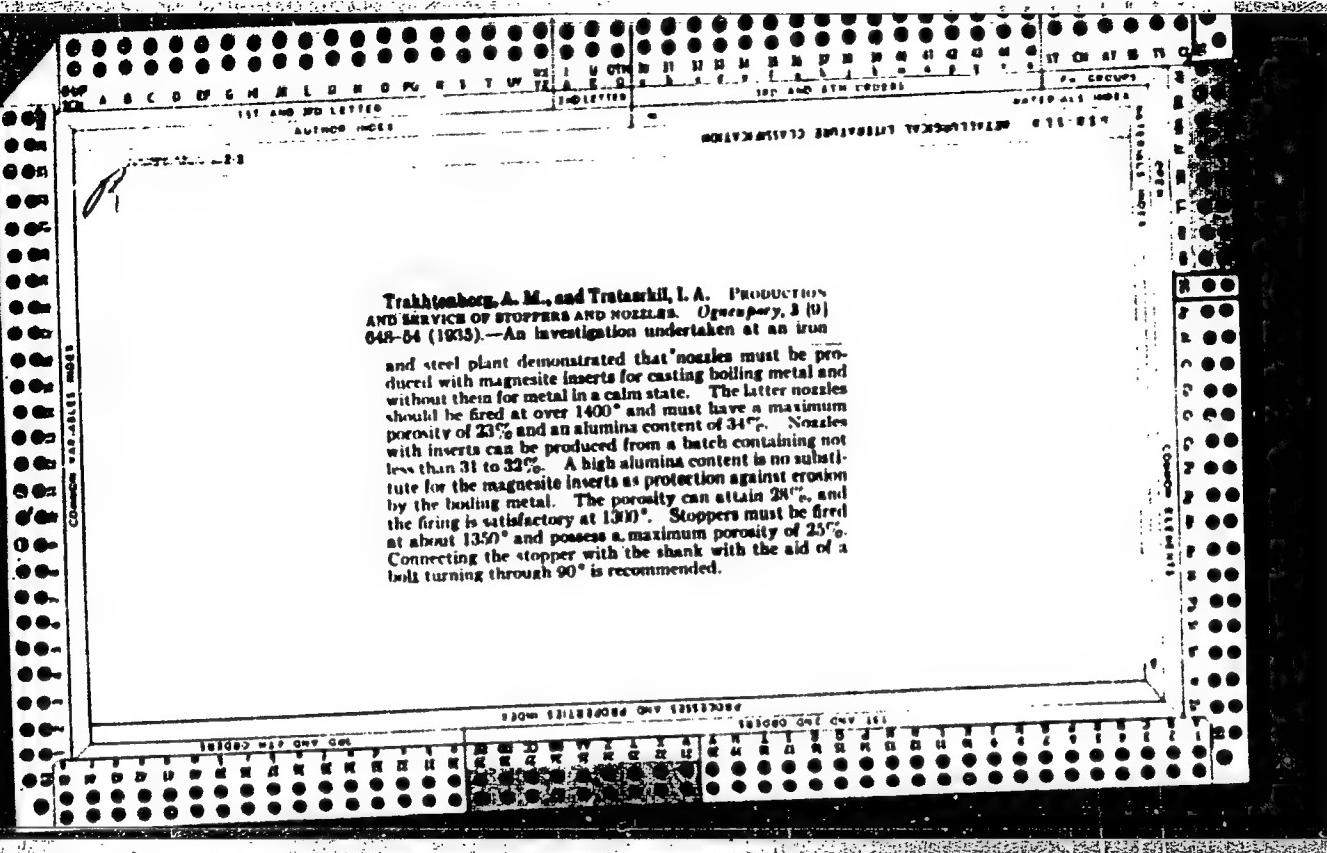
(ANGIOGRAPHY,
pulm. angiopneumography in lung cancer (Rus))

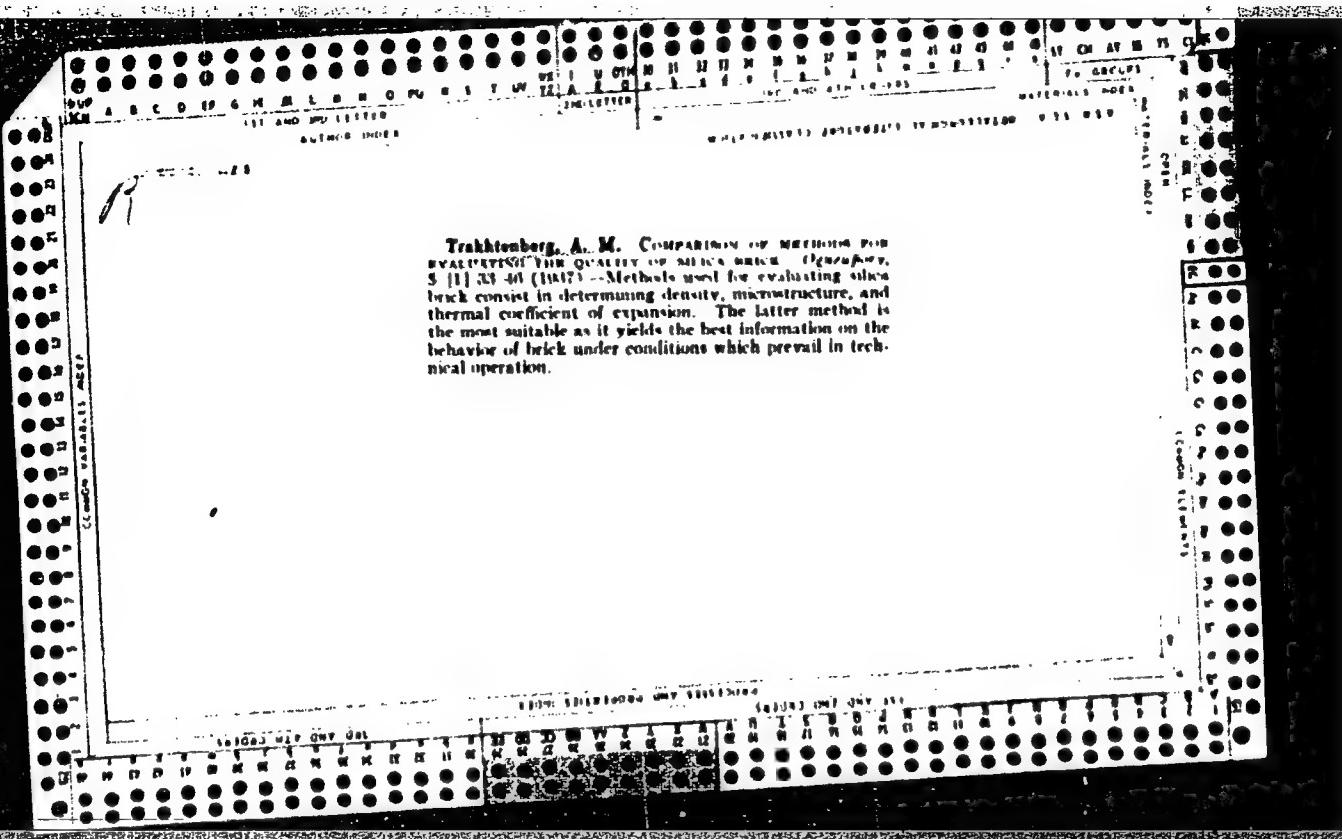
VYSOTSKIY, A.N., inzh.; YEDISRAL, M.P., inzh.; TRAKHTENBERG, A.Ye., inzh.

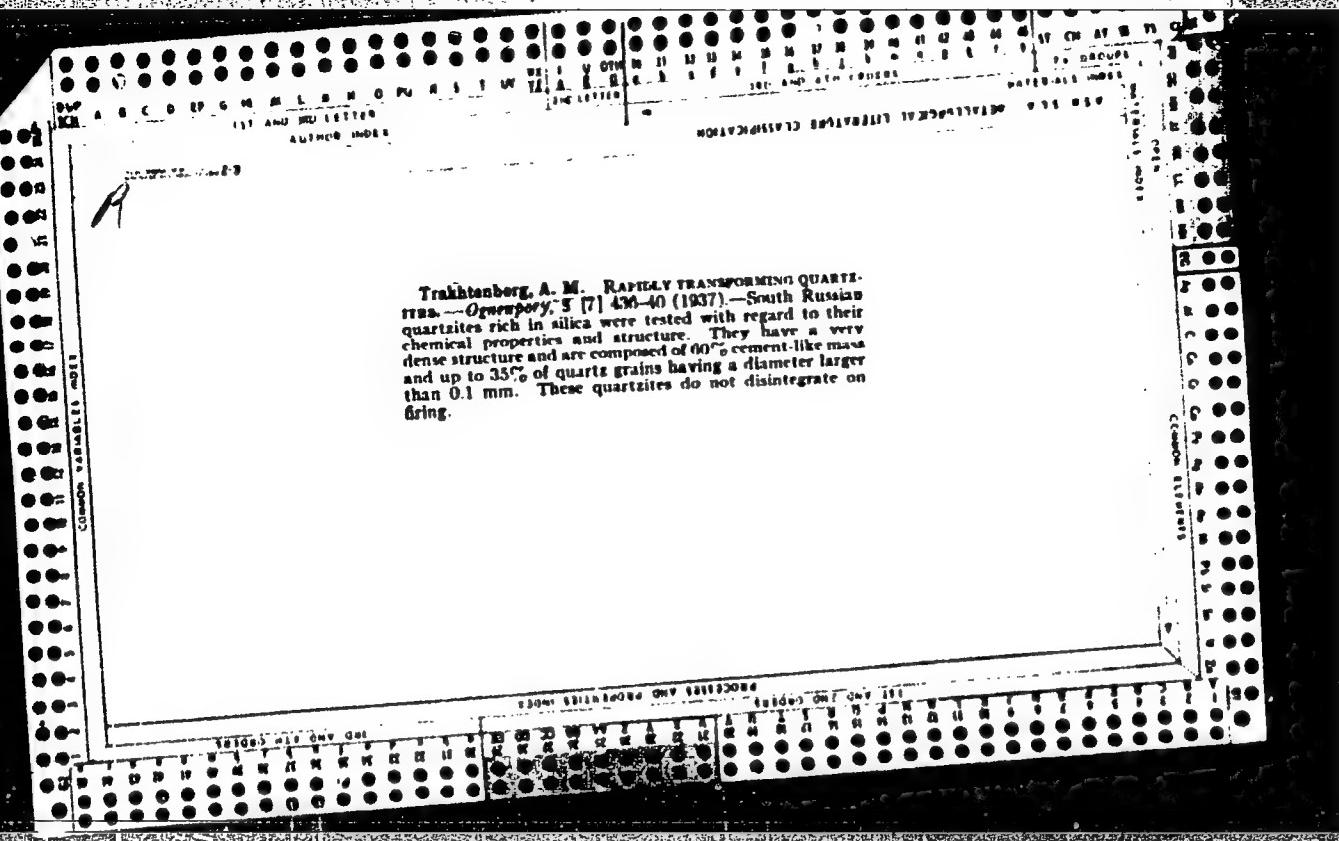
Improve the designs of structures fo. the gas industry. Stroi.
truboprov. 5 no.5:7-8 My '60. (MIRA 13:9)
(Pipelines)

NOVITSKIY, V.F. (Kiyev); TRAKHTENBERG, A.Ye.(Kiyev)

Heating system boilers fired with natural gas. Vod.i san.
tekh. no.7:24-26 Je '60. (MIRA 13:7)
(Boilers)







"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756420017-8

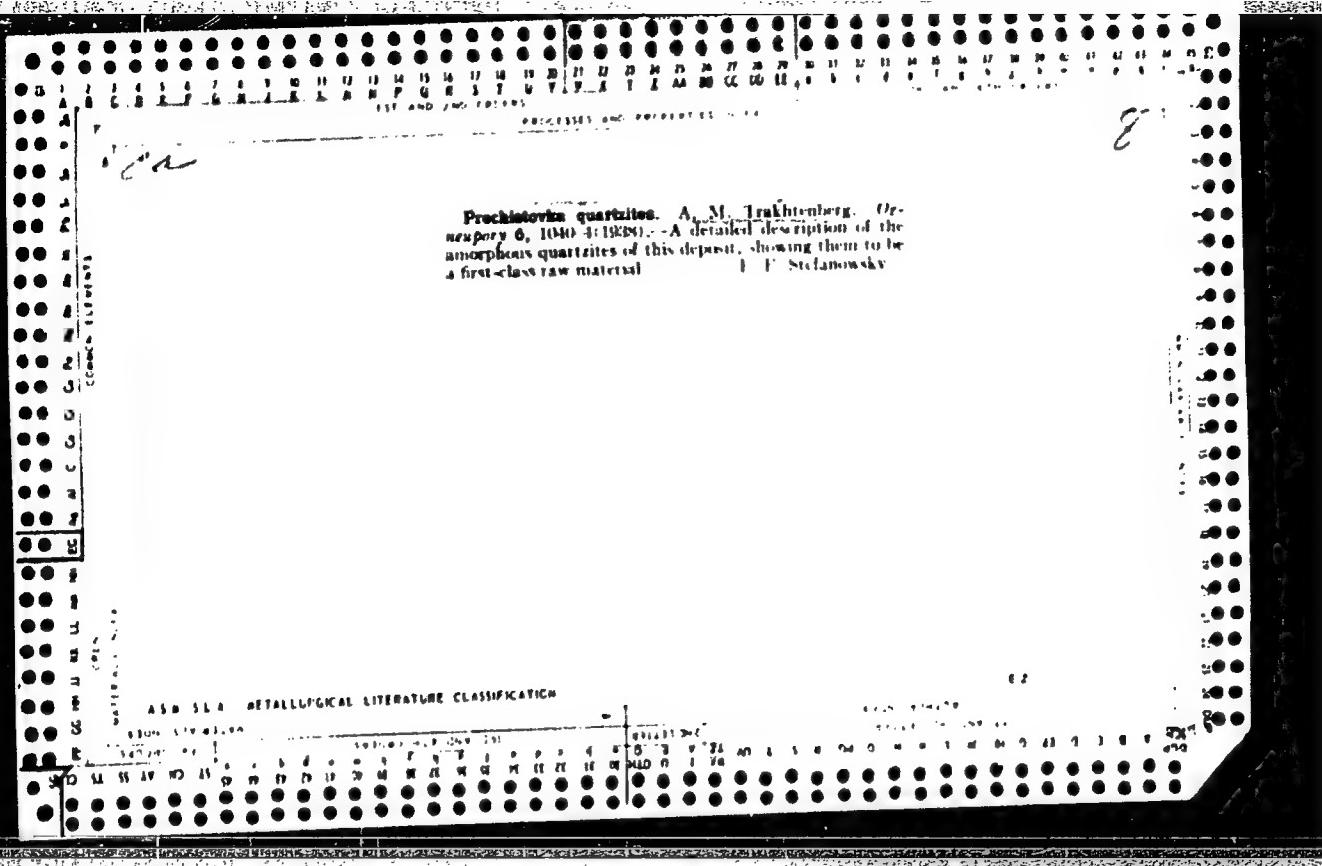
Ovruch quarries. A. M. Trakhtenberg, Operator
6, 100G5 101K81. A review of the materials of the above
deposit which are available at present. F. R. S.

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756420017-8"

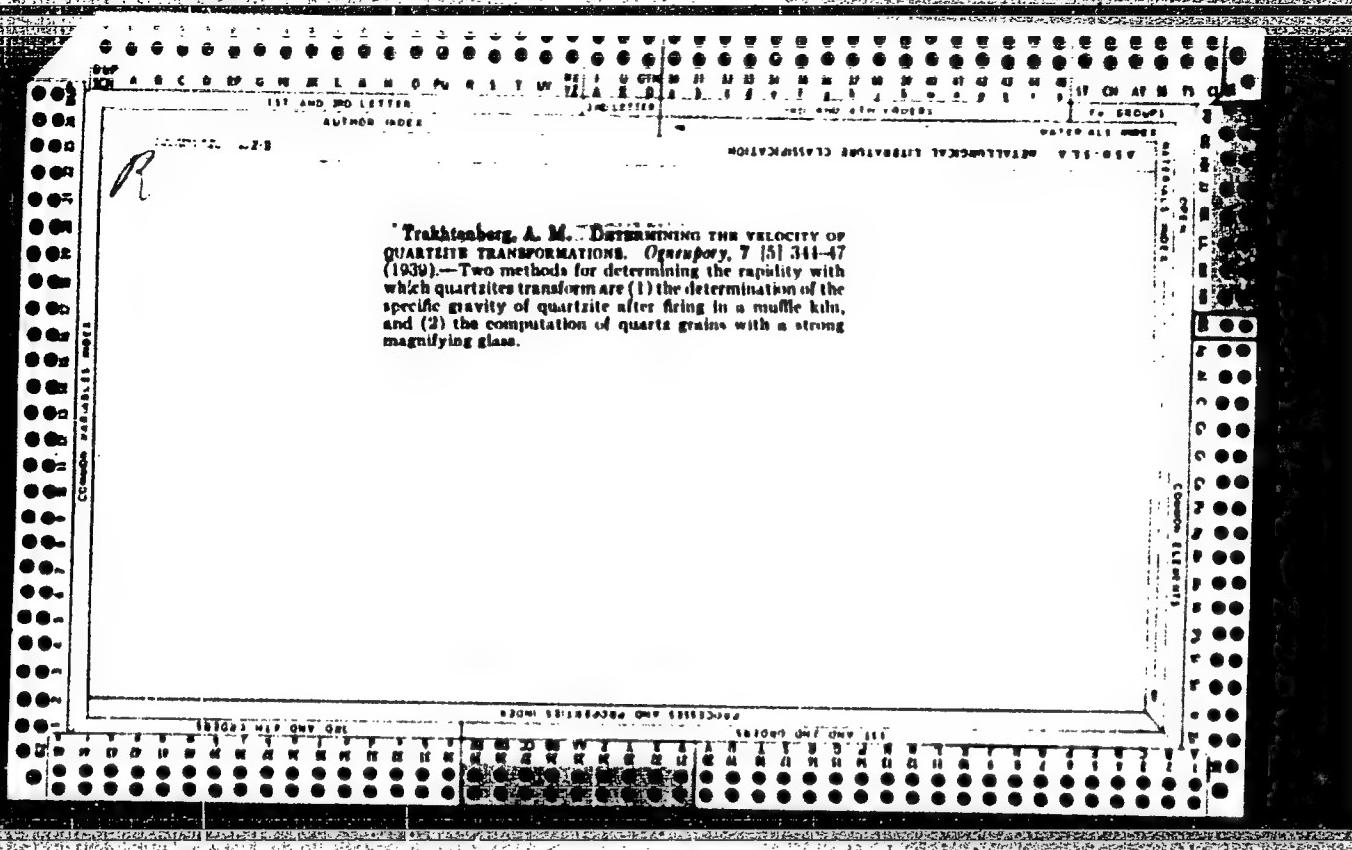
"APPROVED FOR RELEASE: 04/03/2001

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CIA-RDP86-00513R001756420017-8"



A quick method of determination of water in ceramic
masses. A. M. Trakhenberg. *Proc. Stront. Material.*
2, No. 9, 307 (1940); cf. C. A. 35, 18001. — The method
is based on the use of CaC₂ reacting with the moisture
of the material tested.
K. R. Stefanowsky

ALB-11A METALLURGICAL LITERATURE CLASSIFICATION

SEARCHED		SERIALIZED		INDEXED		FILED	
SEARCHED	SERIALIZED	INDEXED	FILED	SEARCHED	SERIALIZED	INDEXED	FILED
M	W	A	V	H	D	E	G

cA

PROBLEMS AND PROSPECTS IN
PRODUCTION OF ENAMELS

Acid-resistant enamels for steel constructions A. N.
Trakhenberg. Khim. Mashinostroenie 1940, No. 7, 13.

21. On the basis of an investigation of the effects of various components on acid resistance of enamels for steel constructions the following limits are suggested. SiO_2 30-37, Na_2O 15-22, K_2O 0.8, CaO 0.0, TiO_2 0.8, Al_2O_3 2.4, CaF_2 0.3, MgO 0.4, BaO 0.3, ZrO_2 0.4 and ZnO 0.4%. The following are suggested because of resistance against HCl , HNO_3 , H_2SO_4 , various org. acids and mixts. of org. and mineral acids: (1) SiO_2 0.1, Na_2O 18, K_2O 5, CaO 2.4, CaO 5, TiO_2 0.1, Al_2O_3 2.0%; (2) SiO_2 0.1, Na_2O 17, K_2O 8, CaF_2 2.5, ZnO 2, TiO_2 2, MgO 2, Al_2O_3 3.5%; (3) SiO_2 0.8, Na_2O 17, K_2O 8, CaO 2.5, ZnO 2, TiO_2 8, MgO 2, Al_2O_3 2.5%; (4) SiO_2 58, Na_2O 17, K_2O 8, CaF_2 2.5, ZnO 2, TiO_2 8, MgO 2, Al_2O_3 2.5%; (5) SiO_2 57.5, Na_2O 10.7, K_2O 7.8, CaF_2 2.5, ZnO 1.0%, TiO_2 7.8, MgO 1.0%, ZrO_2 1.2 and Al_2O_3 2.4%. The solubilities in 20-24% HCl are 0.31, 0.21, 0.28, 0.30 and 0.21, resp., and the coeff. of Cu expansion are 337.4, 319.0, 345.7, 339.7 and 335.5×10^{-6} , resp.

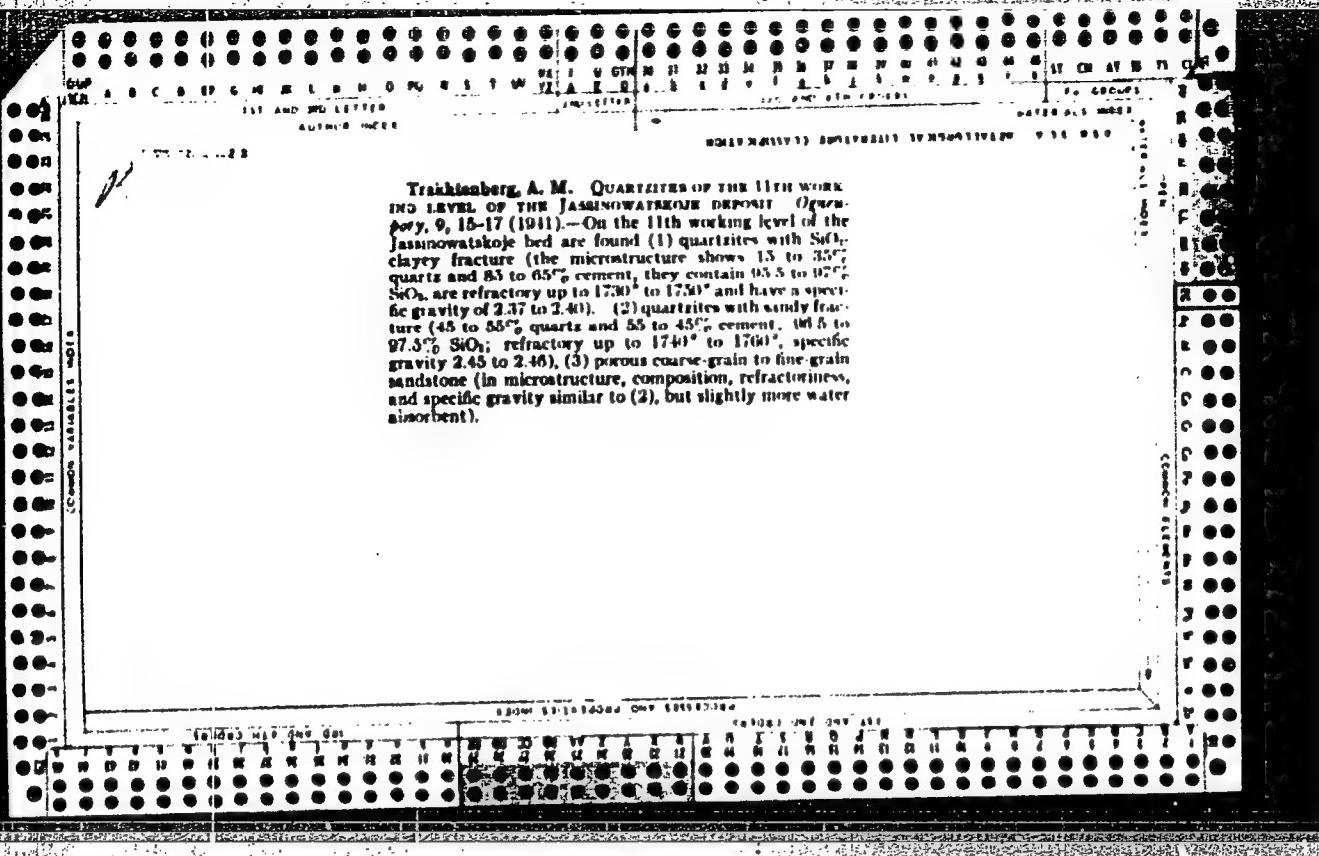
B. Z. Kamich

ASA 310 METALLURGICAL LITERATURE CLASSIFICATION

Dooley

CS.

Quartzite of the 11th working level of the Tashkent
deposit. A. M. TRAKHTENBERG. Quarterly, 1941, No. 1,
pp. 15-17; ~~STRUCTURE-IN-FOSSILS. BRIT. CERAM. SOC., 41~~
~~[6] 72A (1942).~~ Three types of quartzite occur in this
level; they are characterised according to the type of
fracture. Analyses and microstructure are given.



"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756420017-8

TRAKHTENBERG, A., inzh.; FARYNSKIY, R., inzh.

Reference sheet. Radio no.10:59-60 O '64.

(MIRA 18:2)

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756420017-8"

TRAKHTENBERG, A.Kh.

Bronchial calculus simulating central cancer of the lung. Vop. onk.
10 no.6:108-112 '64. (MIRA 18:3)

1. 1. Iz torakal'nogo otdeleniya (zav. - doktor med.nauk N.D. Garin) Gosudarstvennogo onkologicheskogo instituta imeni Gertseva (dir. - prof. A.N.Novikov). Adres avtora: Moskva, D-284, 2-y Botkinskiy prospekt, 3, Gosudarstvennyy onkologicheskiy institut.

NOVIKOV, A.N.; MARMORSHTEYN, S.Ya.; TRAKHTENBERG, A.Kh.

Mediastinal phlebography in tumors of the mediastinum. Vest.
rent. i rad. 37 no.5:9-13 S-0 '62. (MIRA 17:12)

1. Iz torakal'nogo (zaveduyushchiy - doktor med. nauk N.D. Garin)
i rentgenodiagnosticheskogo (zaveduyushchiy - prof. Ye.E. Abarbanel')
otdeleniy Gosudarstvennogo onkologicheskogo instituta imeni P.A.
Gertseva (direktor - prof. A.N. Novikov). Adres avtora: Moskva
D.284, Begovaya alleya, dom 3, kvartira 191.

TRAKHTENBERG, G., kand. tekh. nauk

Study by commercial organizations of the consumers' demand.
Tekh. est. no.4:5 Ap '65. (MERA 18:6)

1. Nauchno-issledovatel'skiy Institut torgovli i otscheta svennogo
predstavlyayet.

MARMORSHTEYN, S.Ya.; TR' KHTENBERG, A.Kh.; BIDYAK, I.V.

Method of combined intravenous phlebography and azygography in
cancer of the lungs. Vop. onk. 11 no.3:99-104 '65.

(MIRA 18:6)

1. Iz khirurgicheskogo (zav. - prof. N.D. Garin) i rentgenodiagno-
sticheskogo (zav. - doktor med. nauk Ye.A. Likhtenshteyn) otdeleniy
Gosudarstvennogo onkologicheskogo instituta imeni Gertsena (dir. -
prof. A.N. Novikov), Moskva.

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756420017-8

Khalil, ... , 0

Dienstliche Anschrift: ...
Khirurgie 1100 Wien
1. Formular: ...
Gesundheit, ...

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756420017-8"

NOVIKOV, A.N.; GARIN, N.D.; TRAKHTENBERG, A.Kh.; TERESENKO, E.G.

Methodology of regional perfusion chemothrapy of the lungs
for malignant neoplasms. Vest. khir. 93 no.12:14-18 D 1964.
(MIRA 18:5)

1. Iz 1-go khirurgicheskogo otdeleniya (zav. - doktor med nauk
N.D.Garin) i laboratori patofiziologii (zav. - kand.med.nauk
I.P.Tereschenko) Gospodarstvennoe nauchno-issledovatel'skoe
onkologicheskoe institut Leningradskaya (dr. - prof. A.N. Novikov) Moscow.

NOVIKOV, A.N.; GARIN, N.D.; DANIYEL'-BEK, K.V.; KOLYADYUK, I.V.;
LAVNIKOVA, G.A.; TRAKHTENEV, A.Kh.; SHITKOV, K.G.

Chemotherapy of malignant tumors by the perfusion method.
Khirurgiia 41 no.4:3-9 Ap '65. (MIRA 18:5)

1. Nauchno-issledovatel'skiy onkologicheskiy institut imeni
Gertsena (dir. - prof. A.N. Novikov), Moskva.

TRAKHTENBERG, A.Kh., mladshiy nauchnyy sotrudnik (Moskva, Pechatnikov per., d.22, kv.3)

Role of angiopneumography in the diagnosis and determination of the operability of lung cancer. Vest.khir. no.1:17-24 '62.

(MIRA 15:1)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo onkologicheskogo instituta im. P.A. Gertsena (dir. - prof. A.N. Novikov).
(LUNGS—CANCER) (ANGIOGRAPHY)

NOVIKOV, A. N.; MARMORSTEYN, S. Ya.; TRAKHTENBERG, A. Kh.

Selective angiopneumography in lung cancer. Vop. onk. 8 no.2:
45-51 '62. (MIRA 15:2)

1. Iz khirurgicheskogo (nauch. rukov. - prof. A. N. Novikov) i
rentgenodiagnosticheskogo (zav. - prof. Ye. E. Abarbanel')
otdeleniy Gosudarstvennogo onkologicheskogo instituta im. P. A.
Gertseva (dir. - prof. A. N. Novikov). Adres avtorov: Moskva,
2-y Botkinskiy proyezd, 3, Onkologicheskiy institut im. P. A.
Gertseva.

(LUNGS—CANCER) (ANGIOGRAPHY)

NOVIKOV, A.N. [Wen Ch'yan]; TRAKHTENBERG, A.Kh.; VEN'CHUAN'

Prevention of complications arising during angiopneumography.
Vop.onk. 5 no.11:592-599 '59. (MIR 14:7)

1. Iz Gosudarstvennogo onkologicheskogo instituta imeni P.A.Gertsena
(dir. - prof. A.N.Novikov; nauchnyy rukovoditel' - chlen-korrespondent
AMN SSSR prof. A.I.Savitskiy). Adres avtorov: Moskva, 40, 2-y
Botkinskiy proyezd, d.3 Gosudarstvennyy onkologicheskiy institut
imeni P.A.Gertsena. (LUNGS--RADIOGRAPHY)

23828

16.0200

S/020/61/138/002/010/024
C111/C222AUTHOR: Trakhtenbrot, B.A.

TITLE: Certain constructions in the logic of one-place predicates

PERIODICAL: Akademiya nauk SSSR. Doklady, v.138, no.2, 1961, 320-321

TEXT: The author uses the connection between finite automata and the calculus of one-place predicates for solving a problem of Tarski. He discusses the transfer of some facts from the theory of algorithms to the finite automata.

Let I be a theory constructed with means of the extended calculus of the one-place predicates on atomic formulas of the type $X(t)$, $Y(\tau')$, $Z(\delta'')$, ..., where $t, \tau', \delta'', \dots$ are interpreted as natural numbers, " $'$ " as functions of the immediate succession, and X, Y, Z as variable predicates defined on the natural numbers. The relations of equality and inequality ($<$) for objective variables and consequently the bounded objective quantors are definable in I . A formula $\mathcal{L}[x_1, \dots, x_m]$ containing no other free variables beside of the mentioned predicate variables defines the set $\hat{x}_1 \dots \hat{x}_m \mathcal{L}(x_1, \dots, x_m)$ of those predicates

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which satisfy it.

Problem 1 (Tarski) : Is the theory I solvable ?

Problem 2 (Tarski) : Is the addition definable in I ?

Theorem 1 : For every formula $\phi(x_1, \dots, x_m)$ of I there exists a finite

finite automaton with the property : To the inlet word

$\langle x_1(1), \dots, x_m(1) \rangle \langle x_1(2), \dots, x_m(2) \rangle \dots \langle x_1(t), \dots, x_m(t) \rangle$ there

corresponds the outlet $w(t) = 1$ then and only then if the predicates

x_1, \dots, x_m being equal zero for $t > t$ belong to $\hat{x}_1 \dots \hat{x}_m \phi(x_1, \dots, x_m)$.

Theorem 2 : The addition is not definable in I.

The author essentially uses his earlier results (Ref. 1: DAN 118, no. 4 (1958). Ref. 2: DAN 112, no. 6 (1957)). The problem 1 remains unsolved but the author conjectures a positive answer.

There are 2 Soviet-bloc and 2 non-Soviet-bloc references. The reference to the English-language publication reads as follows: R.M. Robinson, Proc. Am. Math. Soc., 9, 238 (1958).

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TRAKHTENBERG, B.Y.

On the anomalous change in magnetic induction due to high temperature annealing in hot rolled transformer steel in the region of strong fields. Fiz.met.i metalloved. 1 no.1:55-63 '55. (MLRA 9:3)

1. Kuybyshevskiy industrial'nyy institut imeni V.V. Kuybysheva.
(Sheet steel--Magnetic properties)

TRAKHTENBERG, B.Y.

Influence of grain size on magnetic induction in hot rolled transformer steel in the region of strong magnetic fields. Fiz.met.i metalloved. 1 no.1:64-69 '55. (MLRA 9:3)

1. Kuybyshevskiy industrial'nyy institut imeni V.V. Kuybysheva.
(Sheet steel--Magnetic properties)

PETROV. Ivan Prokhorovich; TRAKHTENBERG, B.P., kandidat tekhnicheskikh nauk,
redaktor; GOL'DSHTEYN, L.Ye., redaktor; SHCHERBAKOV, A.I.,
tekhnicheskiy redaktor

[Production of high-strength magnesium cast iron] Proizvodstvo vysoko-
prochnogo magnievogo chuguna; iz opyta Syzranskogo gidroturbinnogo
zavoda. Pod red. B.P.Trakhtenberga. [Kuibyshev] Kuibyshevskoe knish-
noe izd-vo, 1956. 42 p.
(Cast iron--Metallurgy)

(MLRA 10:9)

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TRAIKHTEMBERG, L. F., kandidat tekhnicheskikh nauk.

Standards for sheet steel used in the electric industry.
Standartizatsiya no.4:40-44 J1-Ag '56. (MLRA 9:11)

1. Kuybyshevskiy industrial'nyy institut.
(Sheet steel--Standards)